

Human	MAFDSTWKVDRSENYDKFMEKMGVNIVKRKLAHDNLKLTIT
Mouse	....G.....N...E.....I.VM....G.....
Chick	...NG...IEKN...E....A....VM....G.....Q
Xenopus	....G.....E....V.....G.....VI.Q
Zebra fish:	.T.NG.....N...E....Q....M.....I.LE

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**Fig. 1**

AGCTTCCTGCGCAGAAAAGGCTGTGGGGTCTTTGTTCCCTCACACAGCTTAAGCAAAATCCCAAGTTCAAAACGTGGCTGTAAGAGAGATGGCTCAC 100  
 TTCAAATGAAGTGAATATGAAATAATCATAAACGAGCTCTGTTGGCAGATCAGAGATACTCTGCTGGACAAAAATCTTAAAGTGTATAGGTAGAA 200  
 CAGGAGGTGTTGCAACTAAATGGACTAGATTGTACACATTTGATCTTCTAGGAGACAAAGGGTCTGGAACAATAATTAATCTGCTGACACAGTCAGT 300  
 AGCAGCCTGTTTGGGTGCAACTACAGCAACTTTGTTGCAACAATAACAATCTAAGTTGTTTCTTCTCTCTTCCCTTAACCTTCTGTACAGTCTAAAG 400  
  
 GTGAAGAGTAGTATTGAGTTACTTCCCTCTGCACTCTTTAGCCAGATTAGCATTGATTTCAAAATGAACCTGAGTGAATGGAAGCCACACACTATTTT 500  
 GGATCACCCAGCAAAAGTTCTAAATTTATAGTTATATACITCAGTAAACCTTTTGTGCGAGGTGGAAGAAAAAGAGATTATGATAACACACAGACTAGTA 600  
 AAATTCATTAGTTAGAGCCAAACCTGTTATCTGTGTAAGCAACATTCATTTTCAGCATTACAGGATTTACATTTTGAAGCTAATAGACAGAGATTG 700  
 GTGCCGTCCATPAGGAACAGACTAACTATAATCCTGAGTTAGTACAAGCAGATTTAGCACCAAGAAATTTGCTCAGTTTCAAGTAGGCATATCTTTGTTGGG 800  
 GAAGAAGGAGCTGAGCCAGTGTGCTCATTTTCTGCAATTATCCTTCAACATTTTAAACCTGGGATCTATGGAATCAAAACACGTTGGGTAAATTCACT 900  
 TAGCAGCACATCAACTACTGTAGGAATGGACAGAAACAGAGCATTCACTGAATGGGCTATAATATAGAGAAATACGTAGAAGGTGCTCTGAATTTAGACTA 1000  
 CCTATTAAAGAGTGAGGACACGAATGGAGAATATCATCGCAATTTCTGTAGCTCAGCACTAGACTCGAAGGTTTCTGAAACTGAACCGAGTTTCCCAAC 1100  
  
 TACCTGTGGAATGTCAGTGGATCCTTCATCTCATCTGCTATTATATGTGGAGTAGAATAGATTCTCACCAAAATTAGAATGGACAAAGCAGAGATTGTGTTTT 1200  
 ATCTGTTGGGTAAATACGTTTTTCTCCAGTTGTATAAAGACCTCCCACCAGTATAAAGTCCATGTCAACAAGAAAAATGTCAATACATTTCTTTAGTCTC 1300  
 ATTATTATTTTCATTAGATAGCCGGTTTTTTACTACAACCTCAAAATAAGATGAACAGAAATGAATGGGTTAGTGACTGTTTATAAAGAAGAGTAATAAGAT 1400  
 .....  
 ACTATCATCATTTGAGGCAATAAGGGAGGGAGAGATTTCAGCAAAACAGTGTGCTTACAAGTGGAAAAACAAGTTAAACTAAAGTGACCCCTCCTTGACAA 1500  
 .....  
 GATCAATGCCACAGTTGAGCTTTAGCCAGCCACATCATCATGTAAATTGCTTTCCCTGATAAGCCTGTTCAAAAATTTCTCTTTTGCAAAAGCTCTGCTACTTA 1600  
 - MET-  
 CCAGAAAGTCTGCCCTACAGACAGAAAAGATGGCAATTTAACGGTACTTGGAAAAATAGAGAAAAATGAGAACTATGAAAAAATTCATGGAAGCAATGGGTAAAGCC 1700  
 TTACTTTTTTGGATGCTTCTAAAGCAGGATACCACTACGGCGGAATACAAACTTAAGCTGTTTCATGAACCTACCACTCTGGCTAACCTGCTCTTGTGTGT 1800  
 CTGCTATTTTGGCCCTGCACATTTGCCCTGCACCTTATTTGAAAAGACTCTATAGAGGGGAATACAGGAAGAAAAACATTTCTGATTTTATTTGTCATTGCG 1900  
 ATAACTTTATGCATTTAGCTAAATCCAGTAGAGGCAATTCAGCAGAGAAATTTAAATAGAATTTATGTAAAGGAATATTATTTGATAAGACTGTTTGAATA 2000  
 ATTACACAAGAGGGAATTTGCTGCTCCAGTTTTCAGAACACACACATGATTTGAGTCATTTTAAACATGCTAGTGTCTTACTTTAAGCTTGTACAAACTGC 2100  
 CTGTAATATGGATGTAAACATAACTATCCTAGTTGGATAGTAGTTTGTATTACAGGCTGAACACTGCTCAGTGAAGGTTGGAGAGAGTAAGACTCTGA 2200  
 GTCAGAAATTCCTGGCTAAGCTCCCTCAACTACAGAAAAAGTCACAATAAAAAATGCAAAACATGATGTTCTATTTTGTCTCTGCTTGTGTTAATTGA 2300  
  
 TTATTATTATTTTTTTTTTTTATAGGCGGTGAATGTGATGAAAAAGAAAGTTAGGAGCCCAAGATAATCTGAAGCTCACTATTTCAG 2381

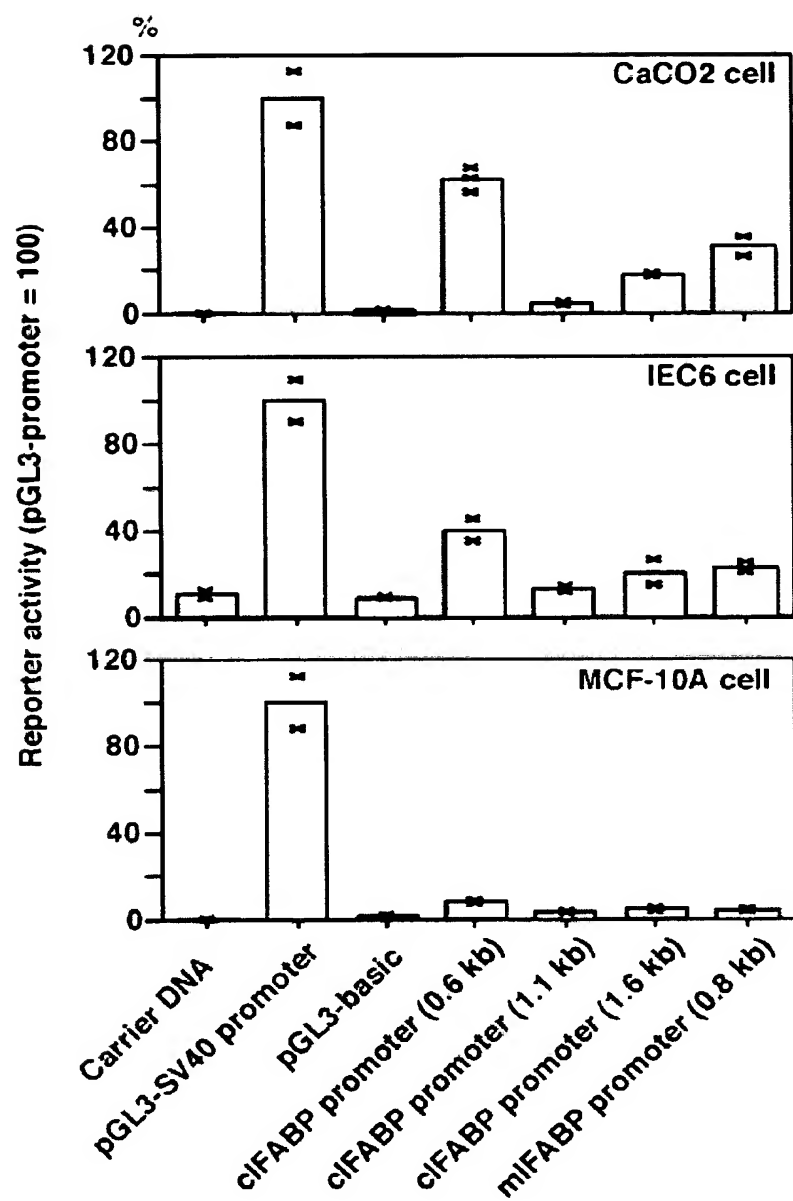
Fig. 2

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20150509

SEQ ID NO: 2

ATTATTATTTTCATTAGATAGCCGGTTTTTTACTACAACCTCAAATAAGATGAACAGAATG  
AATGGGTTAGTGACTGTTTATAAAGAAGAGTAATAAAGATACTATCATCATTTGAGGCAA  
TAAGGGAGGGAGAGATTCAGCAAACAGTGTGCTTACAAGTGGAAAACAAGTTAAACTAAA  
GTGACCCCCCTCCTTGACAAGATCAATGCCACAGTTGAGCTTTAGCCAGCCACATCATCA  
TGTAATTTGCTTTCCTGATAAGCCTGTTTATAAATTCTCTTTGCAAAGCTCTGCTACTTA  
CCAGAAGTCTGCCTACAGACAGAAAGATGGCATTTA

**FIG. 3**



**Fig.4**